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8 August 1974

MEMORANDUM FOR: Mr. J. D. Darroch
Senior Staff Economist
Council of Economic Advisors

SUBJECT : Data on Selected Basic
Industries

In response to your request of 2 August we are forwarding the attached data on industry capacity and production trends in major industrial countries. Because actual capacity figures are not available for the steel industry, rated capacity is used. Actual capacity normally varies between 5 and 10 percent below rated capacity. If we can be of any further assistance please advise.


Office of Economic Research

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Crude Steel Capacity and Production
in Selected Industrial Countries (1968-1973) 1/
(Million Metric Tons)

	1968	1969	1970	1971	1972	1973
United States						
Capacity	N.A.	N.A.	N.A.	N.A.	140.6*	145.6*
Production	119.3	128.2	119.3	109.3	120.8	136.5
Utilization Rate (%)	N.A.	N.A.	N.A.	N.A.	85.9	93.7
Japan						
Capacity	87.2	103.2	114.6	119.2	123.7	134.6
Production	66.9	82.2	93.3	88.6	96.9	119.3
Utilization Rate (%)	76.7	79.6	81.4	74.3	78.3	88.6
West Germany						
Capacity	47.3	50.6	53.1	57.9	59.1	60.9
Production	41.2	45.3	45.0	40.3	43.7	49.5
Utilization Rate (%)	87.1	89.5	84.7	69.6	73.9	81.2
France						
Capacity	23.0	24.7	26.1	27.2	27.9	29.5
Production	20.4	22.5	23.8	22.9	24.0	25.3
Utilization Rate (%)	88.6	91.0	91.1	84.1	86.0	85.7
Italy						
Capacity	19.2	20.2	21.2	22.7	25.2	27.4
Production	16.9	16.4	17.3	17.5	19.8	20.8
Utilization Rate (%)	88.0	81.1	81.6	77.0	78.5	75.9
Belgium						
Capacity	13.6	14.3	14.8	15.7	17.2	17.6
Production	11.6	12.8	12.6	12.5	14.5	15.5
Utilization Rate (%)	85.2	89.5	85.1	79.6	84.3	88.0
Luxembourg						
Capacity	5.7	5.9	6.0	6.1	6.8	6.4
Production	4.8	5.5	5.5	5.2	5.5	5.9
Utilization Rate (%)	84.2	93.2	91.6	85.2	80.8	92.1
Netherlands						
Capacity	N.A.	4.9	5.3	6.1	6.1	7.0
Production	N.A.	4.7	5.0	5.1	5.6	5.6
Utilization Rate (%)		95.9	94.3	83.6	91.8	80.0
United Kingdom						
Capacity	34.8	35.9	29.3	30.3	31.0	32.0
Production	26.3	26.8	28.3	24.2	25.4	26.7
Utilization Rate (%)	69.5	74.6	96.5	79.8	81.9	83.4
Canada						
Capacity	N.A.	12.7	12.0	12.8	13.6	13.6
Production	N.A.	9.4	11.2	11.0	11.9	13.4
Utilization Rate (%)		74.0	93.3	85.9	87.5	98.5

1/ Capacity figures are for rated capacity and not actual capacity.
* Estimated capacity

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Crude Steel Production and Capacity Growth Rates
In Selected Industrial Countries
(Percent Change from Previous Year)

	1969	1970	1971	1972	1973	Average Annual Growth Rate
United States						
Capacity	N.A.	N.A.	N.A.	N.A.	3.5	N.A.
Production	N.A.	N.A.	N.A.	N.A.	12.9	N.A.
Japan						
Capacity	18.3	11.0	4.0	5.7	12.3	9.1
Production	22.8	13.5	-5.1	9.3	23.1	12.5
West Germany						
Capacity	6.9	4.9	9.0	2.0	3.0	5.2
Production	9.9	-7	-10.5	8.4	13.2	3.8
France						
Capacity	7.3	5.6	4.5	2.5	5.7	5.1
Production	10.2	5.7	-3.8	4.8	5.4	4.4
Italy						
Capacity	5.2	4.9	7.0	11.0	8.7	7.4
Production	-3.0	5.4	1.1	13.1	5.0	4.3
Belgium						
Capacity	5.1	3.4	6.0	9.5	2.3	5.3
Production	10.3	-1.6	-8	16.0	6.8	8.0
Luxembourg						
Capacity	3.5	1.6	1.6	11.4	-5.9	2.3
Production	14.5	0.0	-5.5	6.0	7.2	4.2
Netherlands						
Capacity	N.A.	8.1	15.0	0.0	14.7	9.2
Production	N.A.	6.3	2.0	9.8	0.0	4.5
United Kingdom						
Capacity	3.1	-18.4	3.4	2.3	3.2	-1.6
Production	1.9	5.5	-14.2	4.9	5.1	0.3
Canada						
Capacity	N.A.	-5.6	6.6	6.2	0.0	1.7
Production	N.A.	19.1	-1.8	8.1	12.6	9.2

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Petroleum Refining Capacity and Production
in Selected Industrial Countries, 1966-1973 1/
(Thousand Metric Tons)

	1966	1967	1968	1969	1970	1971	1972	1973
United States								
Capacity	532,920	567,670	585,120	601,070	643,010	664,630	654,350	710,815
Production	443,090	458,090	481,650	493,380	505,430	520,410	546,970	577,780
Utilization Rate (%)	83.1	80.6	82.3	82.0	78.6	78.3	83.5	81.2
Japan								
Capacity	110,580	113,480	127,700	156,060	181,340	202,990	215,780	257,590
Production	80,650	100,650	114,180	138,670	161,630	190,750	190,550	230,000
Utilization Rate (%)	72.9	88.6	89.4	88.8	89.1	93.9	88.3	89.2
West Germany								
Capacity	80,700	109,200	113,140	115,090	120,260	126,500	134,885	141,285
Production	69,640	73,530	82,400	88,490	98,360	89,550	102,690	113,100
Utilization Rate (%)	86.2	67.2	72.8	76.8	81.7	70.7	76.1	80.0
France								
Capacity	79,180	83,800	97,340	105,240	116,480	121,040	147,465	157,600
Production	62,200	69,810	74,550	84,650	94,970	101,430	112,130	123,400
Utilization Rate (%)	78.5	83.3	76.5	80.4	81.5	83.7	76.0	78.5
Italy								
Capacity	122,820	142,530	145,180	164,380	167,950	182,660	179,655	194,030
Production	76,370	82,200	87,740	99,250	108,750	110,860	116,900	122,400
Utilization Rate (%)	62.1	57.6	60.4	60.3	64.7	60.6	65.0	63.0
Belgium								
Capacity	17,540	18,760	30,510	34,440	35,890	36,950	41,580	40,865
Production	15,750	16,290	21,380	26,560	27,330	28,440	34,510	36,000
Utilization Rate (%)	89.7	86.8	70.0	77.1	76.1	76.9	82.9	88.0
Netherlands								
Capacity	33,340	37,691	42,150	67,150	68,470	77,700	91,275	91,275
Production	31,590	32,870	36,510	48,610	56,560	57,540	66,090	71,100
Utilization Rate (%)	94.7	87.2	86.6	72.3	85.5	66.3	72.4	77.8
United Kingdom								
Capacity	83,820	86,110	97,550	109,310	114,390	121,540	123,230	138,105
Production	66,310	67,960	77,040	85,080	94,690	98,280	99,360	105,930
Utilization Rate (%)	79.1	78.9	78.9	77.8	82.7	80.8	80.6	76.7
Canada								
Capacity	56,940	60,470	61,110	64,890	67,610	83,780	86,250	93,865
Production	45,620	50,250	53,580	55,940	60,920	66,960	74,010	82,600
Utilization Rate (%)	80.1	83.0	87.6	86.2	90.1	79.9	86.0	87.8

1/ Production figures do not include production of synthetic crude oil from bitumen.

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Petroleum Refining Capacity and Production Growth Rates
in Selected Industrial Countries
(Percent Change from Previous Year)

	1967	1968	1969	1970	1971	1972	1973	Average Annual Growth Rate
United States								
Capacity	6.5	3.0	2.7	6.9	3.3	-1.6	8.6	4.2
Production	3.3	5.1	2.4	2.4	2.9	5.1	5.6	3.9
Japan								
Capacity	2.6	12.5	22.2	16.1	11.9	6.3	19.3	12.8
Production	24.7	13.4	21.4	16.5	18.0	-0.2	20.7	16.1
West Germany								
Capacity	35.4	3.5	1.7	4.4	5.1	6.6	4.7	8.3
Production	5.5	12.0	7.3	11.1	-9.0	14.6	10.1	7.8
France								
Capacity	5.8	16.1	8.1	10.6	3.9	21.8	6.4	10.3
Production	12.2	6.7	13.5	12.1	6.8	10.5	10.0	10.3
Italy								
Capacity	16.0	1.8	13.2	2.1	8.7	-1.7	8.0	6.7
Production	7.6	6.7	13.1	9.5	1.9	5.4	4.7	7.0
Belgium								
Capacity	6.9	62.6	12.8	4.2	2.9	12.5	-1.8	12.8
Production	3.4	31.2	24.2	2.8	4.0	21.3	4.3	12.5
Netherlands								
Capacity	13.2	11.8	52.3	1.9	13.4	17.4	0.0	15.5
Production	4.0	11.0	33.1	20.4	-1.8	14.8	7.5	12.3
United Kingdom								
Capacity	2.7	13.2	12.0	4.6	6.2	1.3	12.0	7.3
Production	2.4	13.3	10.4	11.2	3.7	1.0	6.6	6.9
Canada								
Capacity	6.1	1.0	6.1	4.1	23.9	2.9	8.8	7.4
Production	10.1	6.6	4.4	8.9	9.9	12.0	10.1	8.8

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Electric Power Capacity and Production in Selected Industrial Countries 1966-1973^{1/}

	1966	1967	1968	1969	1970	1971	1972	1973
United States								
Capacity	266.8	288.2	310.2	332.6	360.3	386.7	399.6	438.5
Production	1,328.2	1,399.0	1,526.2	1,665.2	1,742.7	1,826.6	1,972.2	2,074.1
Hours of Utili- zation	4,978	4,864	4,820	5,006	4,836	4,723	4,935	4,729
Japan								
Capacity	44.8	49.5	53.2	59.5	68.3	76.5	85.3	94.3 ^c
Production	208.7	237.6	260.1	304.2	350.6	379.1	414.3	471.2
Hours of Utili- zation	4,658	4,800	4,880	5,112	5,133	4,995	4,856	4,990 ^a
West Germany								
Capacity	42.9	45.5	47.1	48.8	50.8	54.0	57.8	60.7 [*]
Production	177.9	184.7	203.3	226.1	242.6	259.6	274.5	295.0
Hours of Utili- zation	4,146	4,059	4,316	4,633	4,775	4,807	4,749	4,925 ^a
France								
Capacity	30.2	31.6	34.1	36.3	38.8	41.5	42.8	45.4
Production	110.2	116.6	123.0	137.4	147.0	156.6	172.1	187.0
Hours of Utili- zation	3,649	3,689	3,607	3,785	3,788	3,773	4,021	4,118 ^a
Italy								
Capacity	26.8	28.8	30.2	31.1	33.3	36.1	37.1	39.1 [*]
Production	90.0	96.8	104.0	110.5	117.4	124.9	134.9	142.6
Hours of Utili- zation	3,358	3,361	3,443	3,553	3,525	3,459	3,636	3,647 ^a
Netherlands								
Capacity	8.4	8.7	9.3	10.0	10.6	11.5	12.5	13.4 [*]
Production	27.9	30.1	33.6	37.1	40.9	44.9	49.6	52.6
Hours of Utili- zation	3,321	3,459	3,612	3,710	3,858	3,904	3,968	3,925 ^a
United Kingdom								
Capacity	51.9	55.8	59.6	61.4	67.0	72.1	74.6	79.2 [*]
Production	203.1	209.9	223.8	239.1	249.2	256.6	263.7	284.4
Hours of Utili- zation	3,913	3,761	3,755	3,894	3,718	3,558	3,534	3,590 ^a
Canada								
Capacity	30.8	33.0	35.9	39.5	42.8	46.7	49.4	54.3
Production	160.3	168.1	179.5	194.3	208.3	220.7	242.1	266.9
Hours of Utili- zation	5,204	5,093	5,000	4,918	4,866	4,725	4,900	4,915

^{1/} Capacity is in million kilowatts and production is in billion kilowatt hours, neither include nuclear power figures.

^a Estimated using the average annual growth rate between 1966-1972.

**Electric Power Capacity and Production Growth Rates
in Selected Industrial Countries
(Percent Change from Previous Year)**

	1967	1968	1969	1970	1971	1972	1973	Average Annual Growth Rate
United States								
Capacity	8.0	7.6	7.2	8.3	7.3	3.3	9.7	7.4
Production	5.3	9.0	9.1	4.6	4.8	7.9	5.1	6.6
Japan								
Capacity	10.4	7.4	11.8	14.7	12.0	11.5	11.3	12.0
Production	13.8	9.4	18.9	15.2	8.1	9.2	14.4	12.5
West Germany								
Capacity	8.0	3.6	3.6	4.0	6.2	7.0	5.0	6.1
Production	3.8	10.0	11.2	7.2	7.0	5.7	8.9	7.4
France								
Capacity	4.6	7.8	3.4	6.8	6.9	3.1	5.0	6.0
Production	5.8	5.4	11.7	6.9	6.5	9.8	6.6	7.8
Italy								
Capacity	7.4	4.8	2.9	7.0	8.4	2.7	5.5	5.5
Production	7.5	7.4	6.2	6.2	6.3	8.0	5.7	6.6
Netherlands								
Capacity	3.5	6.8	7.5	9.0	8.4	8.8	6.8	6.9
Production	7.6	11.6	10.4	10.2	9.7	10.4	6.0	8.5
United Kingdom								
Capacity	7.5	6.8	2.0	9.1	7.6	3.4	6.2	6.2
Production	3.3	6.0	6.8	4.2	2.9	2.7	7.8	4.9
Canada								
Capacity	7.1	8.7	10.0	8.3	8.1	5.7	9.9	8.4
Production	4.8	6.7	8.2	7.8	5.9	9.6	10.2	7.6

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